

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085286.D
 Acq On : 9 Mar 2016 5:35
 Operator : UM/SJ
 Sample : H1703-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)

Quant Time: Mar 09 06:02:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	151436	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	553050	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	264692	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	447448	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	276628	20.00	ng	-0.03
86) Perylene-d12	15.59	264	277835	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	1047380	116.01	ng	-0.01
7) Phenol-d6	6.58	99	1287269	108.83	ng	-0.02
23) Nitrobenzene-d5	7.52	82	839197	81.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	290521	128.27	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1456082	83.66	ng	-0.02
78) Terphenyl-d14	13.07	244	919891	77.20	ng	-0.02

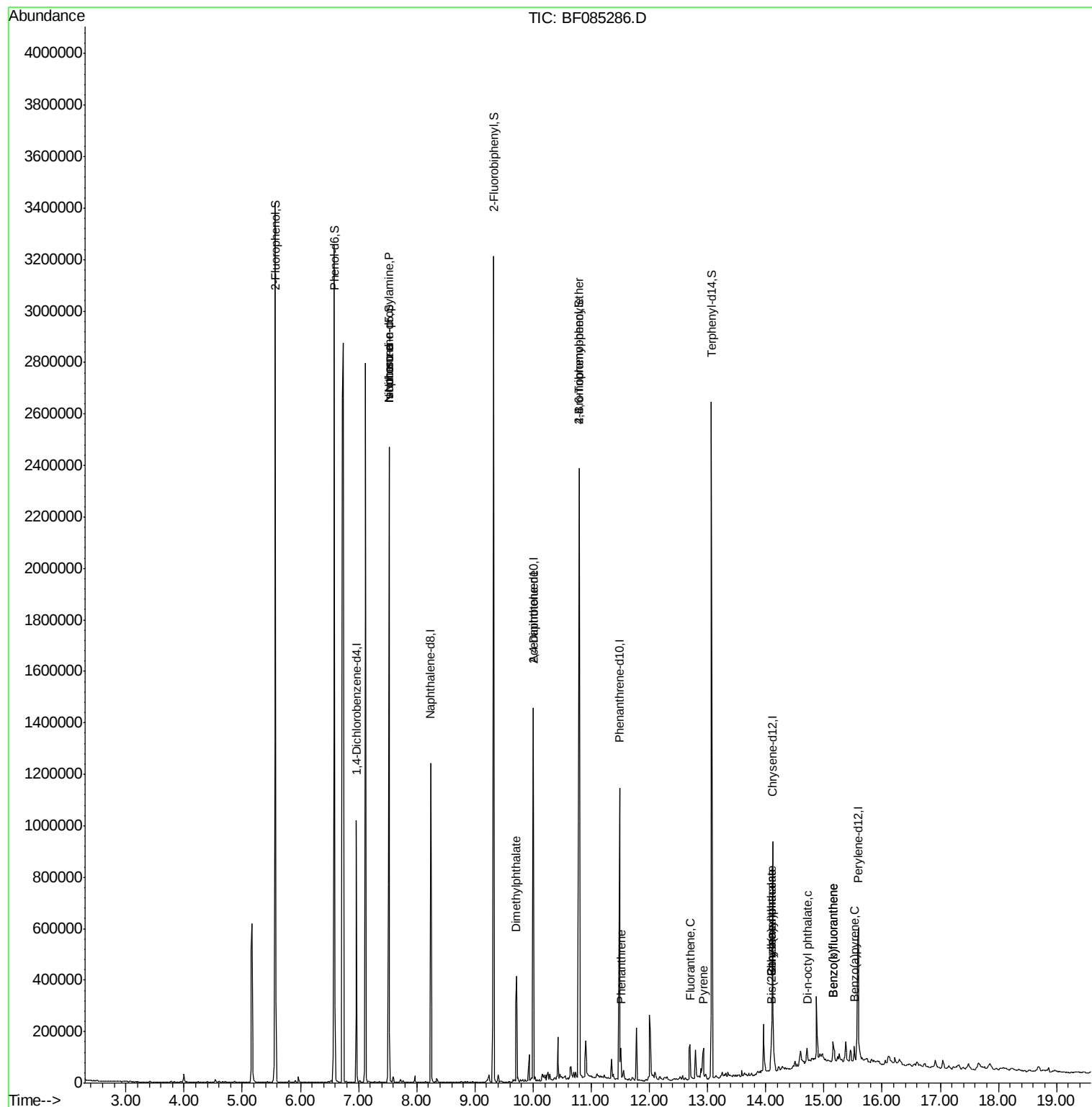
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1053	Below Cal	#	83
19) n-Nitroso-di-n-propylamine	7.52	70	112936	14.65	ng	78
25) Isophorone	7.52	82	644086	33.63	ng	67
49) Dimethylphthalate	9.72	163	225077	11.08	ng	98
56) 2,4-Dinitrotoluene	10.00	165	33757	6.07	ng	22
66) 4-Bromophenyl-phenylether	10.79	248	21598	4.97	ng	1
70) Phenanthrene	11.51	178	48300	2.06	ng	95
74) Fluoranthene	12.70	202	75235	3.20	ng	94
77) Pyrene	12.93	202	66317	3.19	ng	95
80) Benzo(a)anthracene	14.11	228	36170	2.18	ng	99
82) Chrysene	14.11	228	36170	2.36	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	36729	2.95	ng	99
84) Di-n-octyl phthalate	14.71	149	39376	2.08	ng	# 89
87) Benzo(b)fluoranthene	15.16	252	54332	2.93	ng	96
88) Benzo(k)fluoranthene	15.16	252	54332	3.64	ng	95
89) Benzo(a)pyrene	15.52	252	31037	2.02	ng	# 93

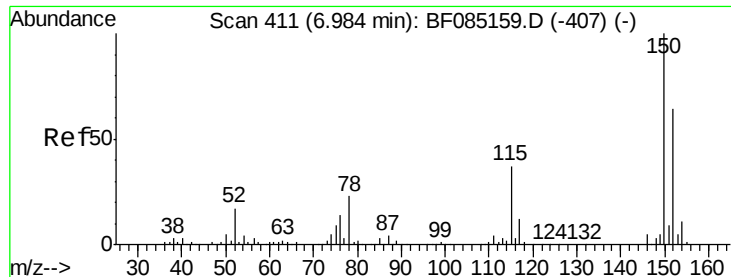
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

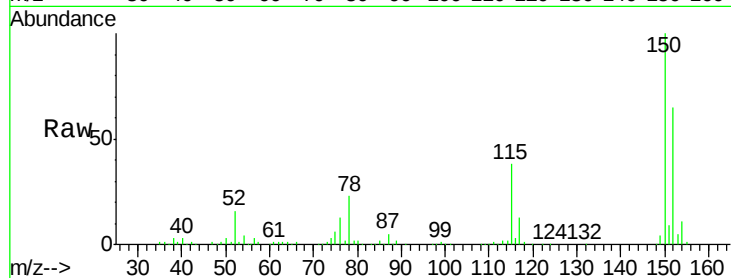
Tgt Ion:152 Resp: 151436

Ion Ratio Lower Upper

152 100

150 154.8 124.6 186.8

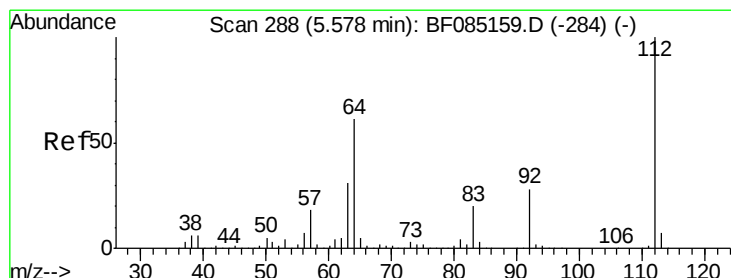
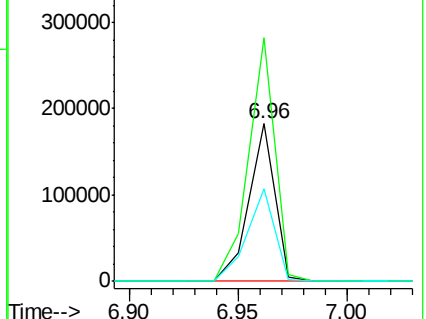
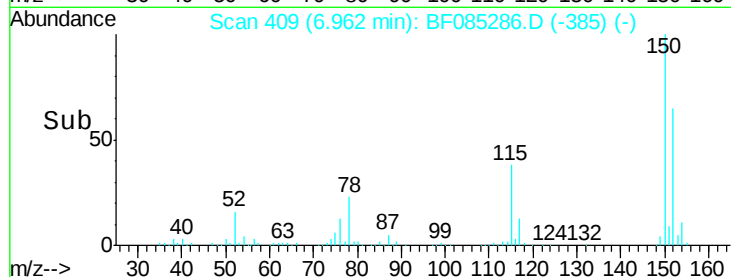
115 59.2 46.6 70.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 116.01 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

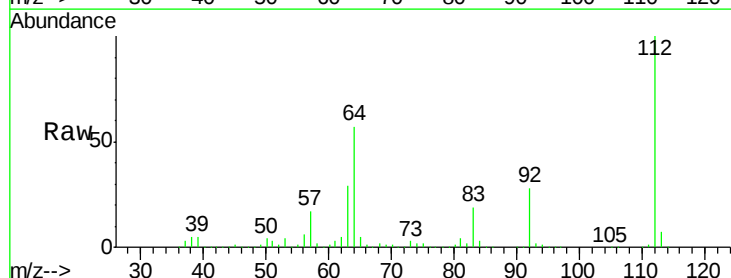
Tgt Ion:112 Resp: 1047380

Ion Ratio Lower Upper

112 100

64 57.0 49.0 73.4

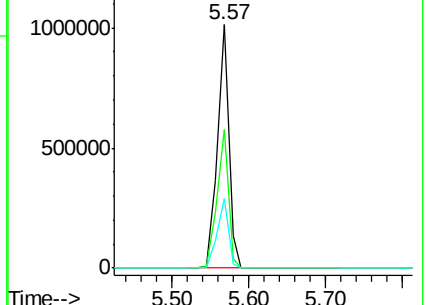
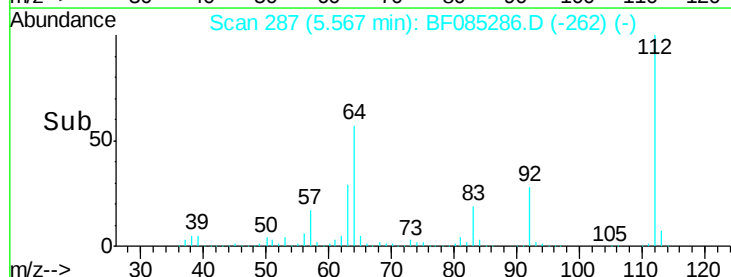
63 28.7 24.8 37.2

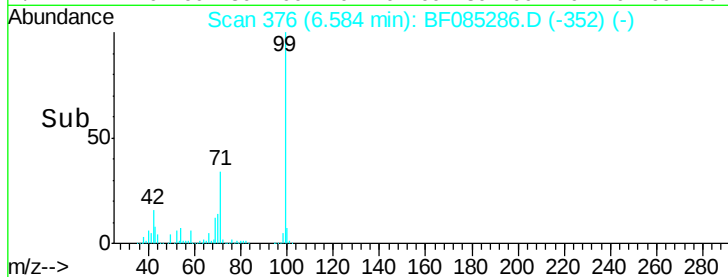
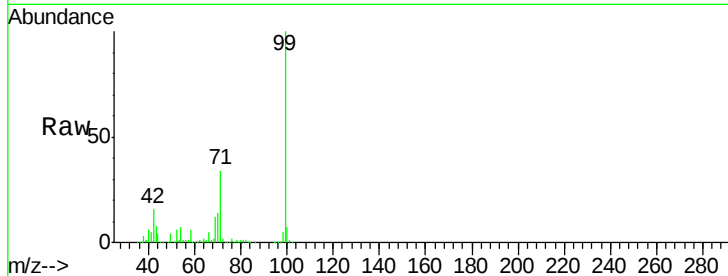
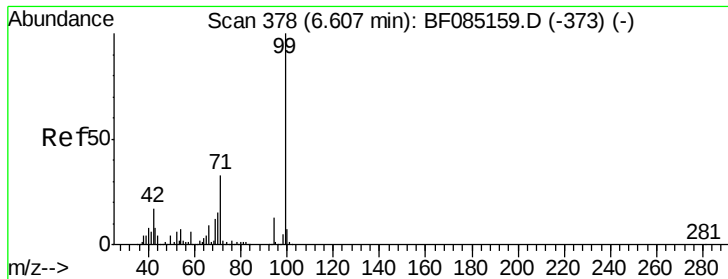


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.83 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

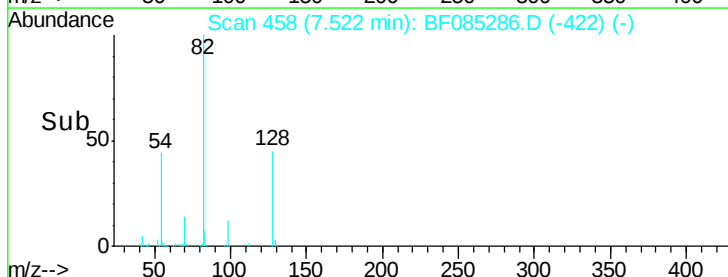
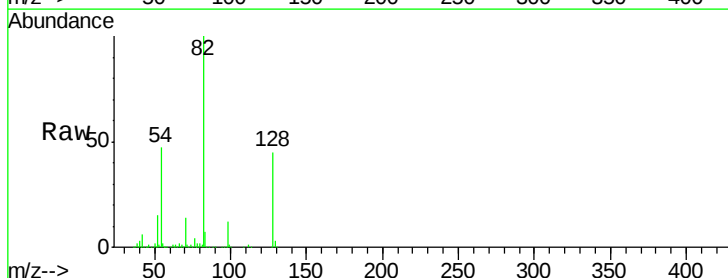
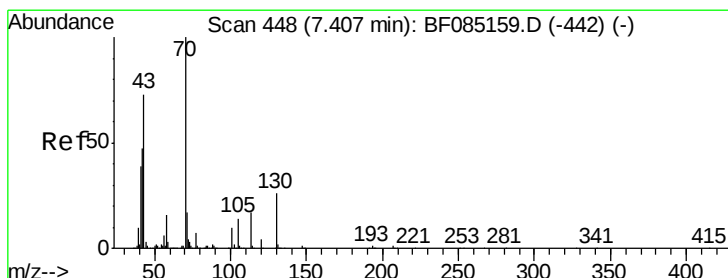
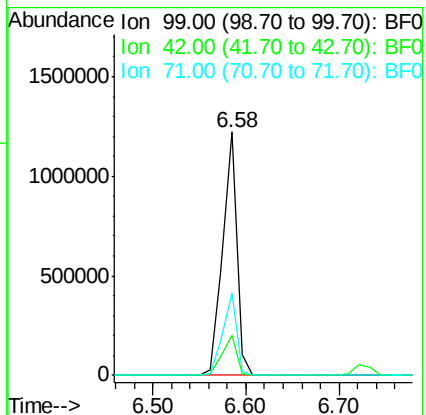
Tgt Ion: 99 Resp: 1287269

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

71 33.7 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.65 ng

RT: 7.52 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion: 70 Resp: 112936

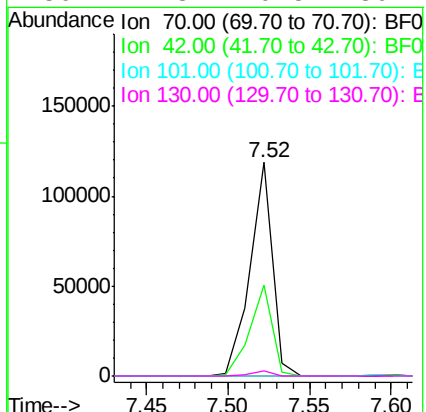
Ion Ratio Lower Upper

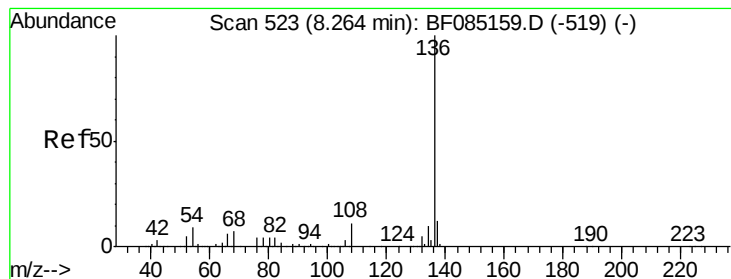
70 100

42 42.3 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

Tgt Ion:136 Resp: 553050

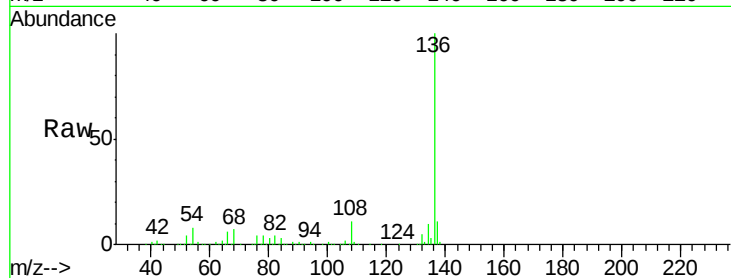
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 8.4 7.4 11.2

68 7.0 6.0 9.0

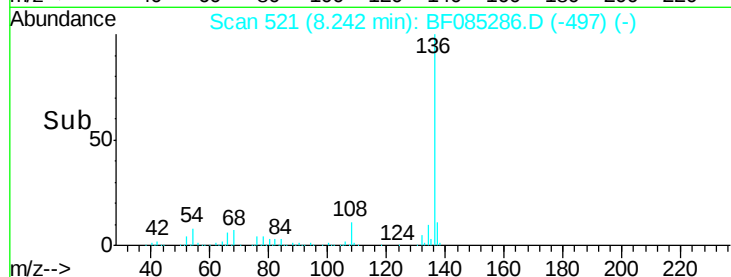


Abundance Ion 136.00 (135.70 to 136.70): E

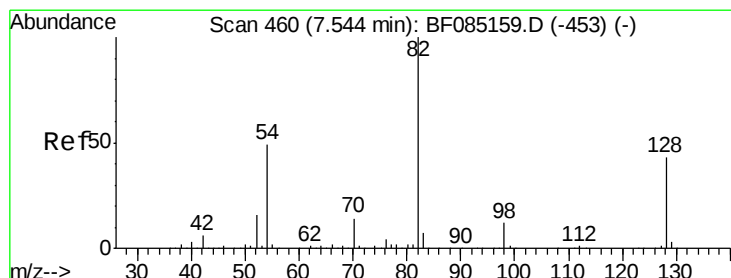
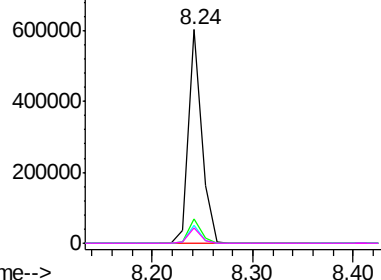
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.20 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

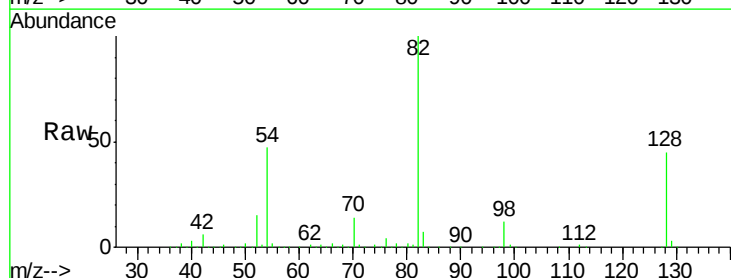
Tgt Ion: 82 Resp: 839197

Ion Ratio Lower Upper

82 100

128 44.6 34.5 51.7

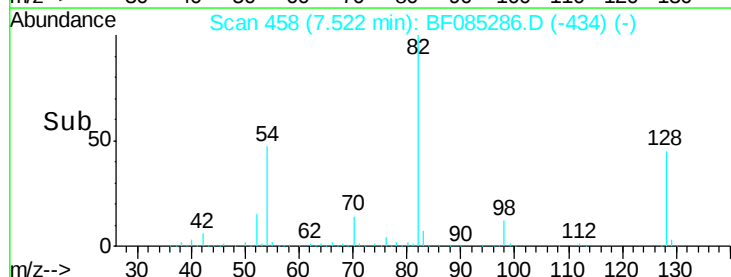
54 46.9 39.3 58.9



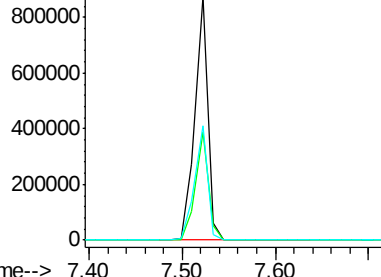
Abundance Ion 82.00 (81.70 to 82.70): BF0

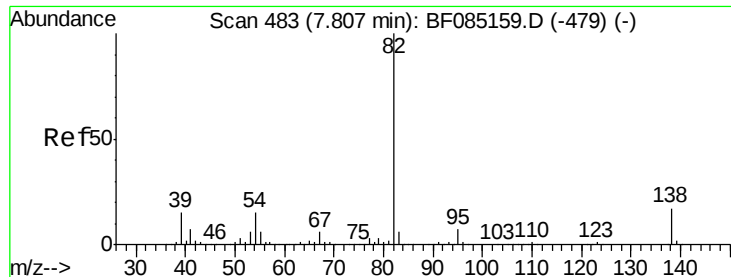
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

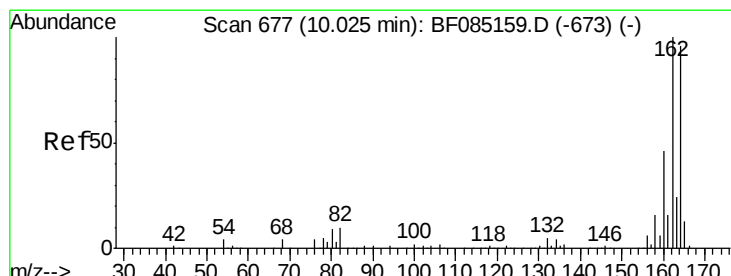
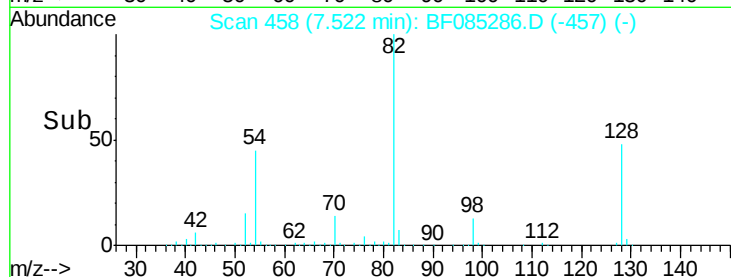
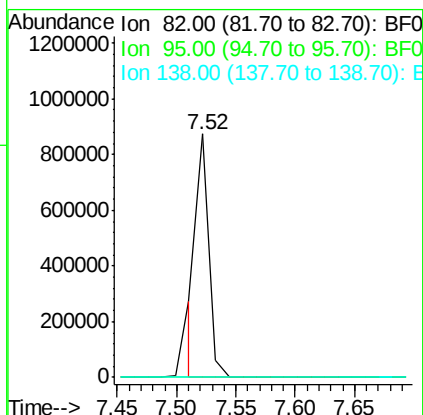
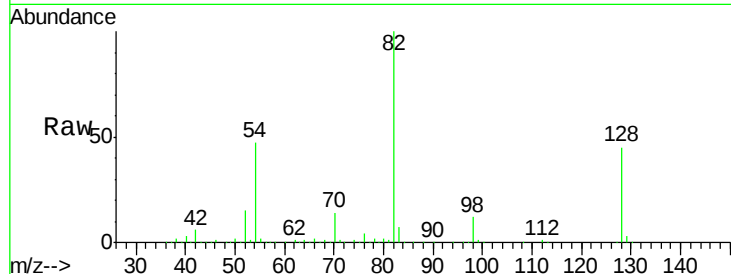




#25
Isophorone
Concen: 33.63 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.29 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

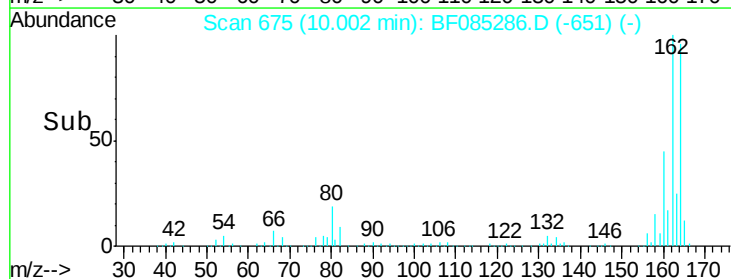
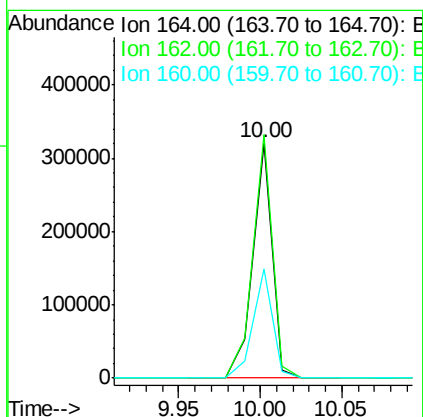
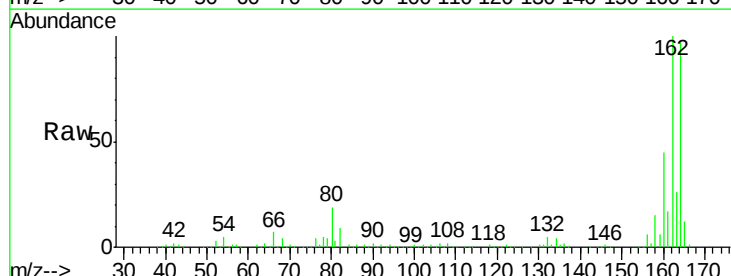
Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

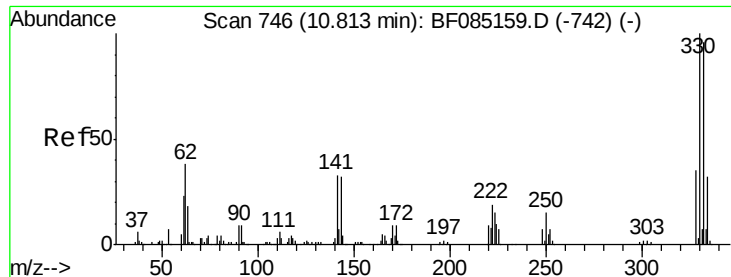
Tgt Ion: 82 Resp: 644086
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.3 19.9#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion: 164 Resp: 264692
Ion Ratio Lower Upper
164 100
162 103.6 83.3 124.9
160 46.6 37.9 56.9

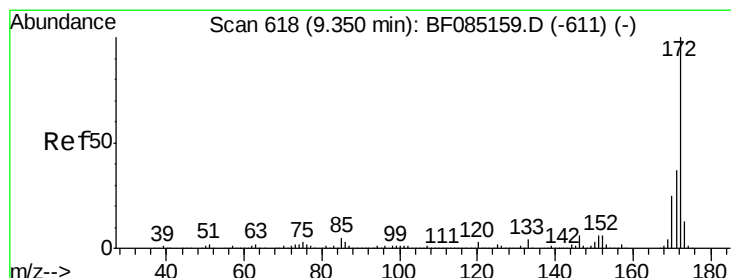
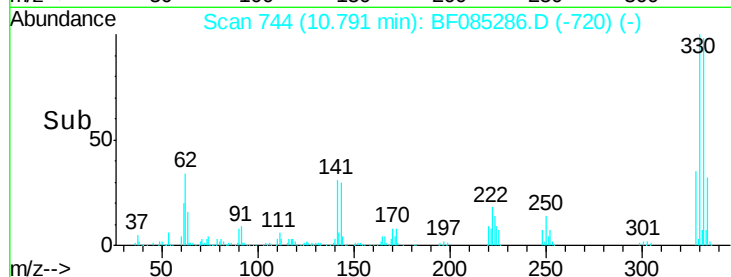
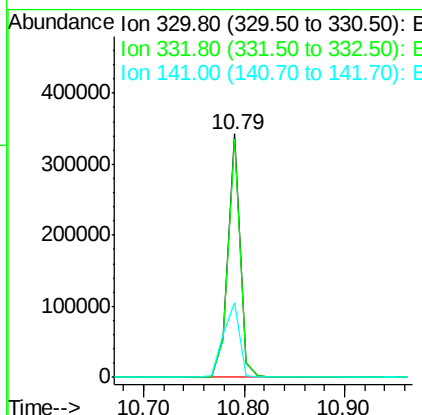
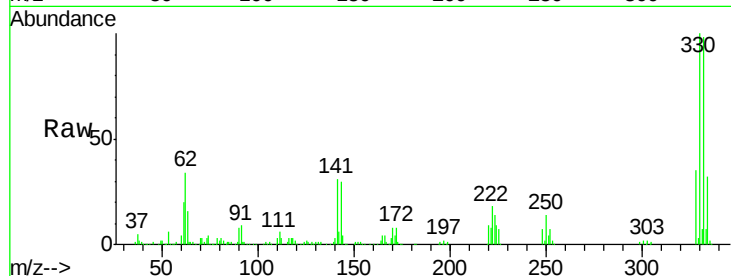




#41
 2,4,6-Tribromophenol
 Concen: 128.27 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

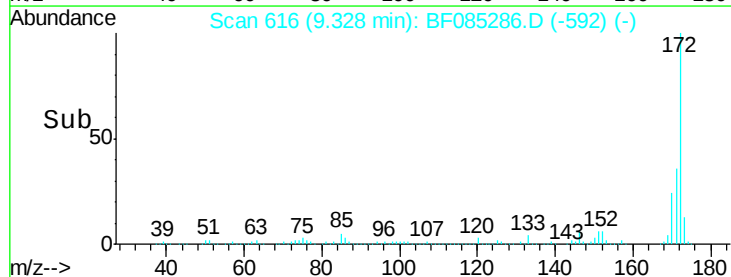
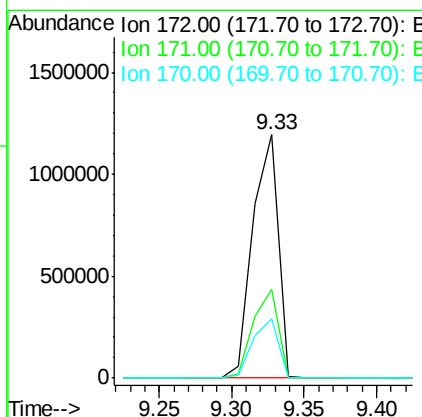
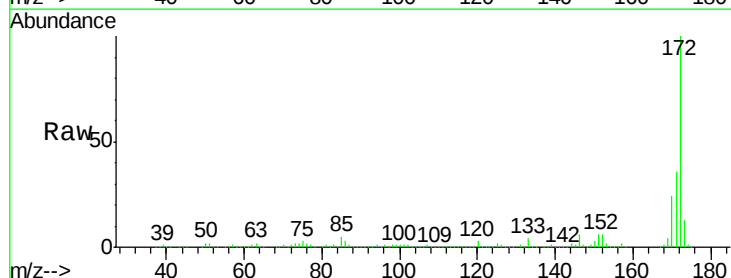
Instrument :
 BNA_F
 ClientSampleId :
 SB-53COMP(0.5-2.75)

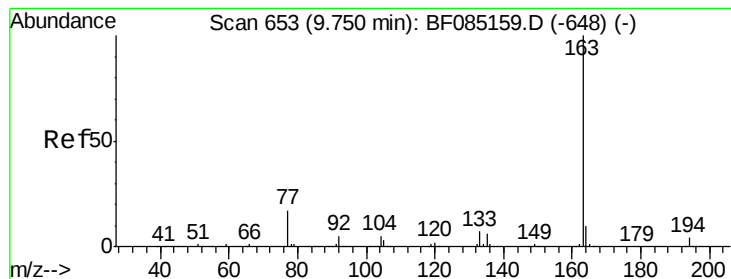
Tgt Ion:330 Resp: 290521
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.1 115.7
 141 40.4 35.0 52.6



#44
 2-Fluorobiphenyl
 Concen: 83.66 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085286.D
 Acq: 9 Mar 2016 5:35

Tgt Ion:172 Resp: 1456082
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.3 43.9
 170 24.2 20.0 30.0





#49

Dimethylphthalate

Concen: 11.08 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

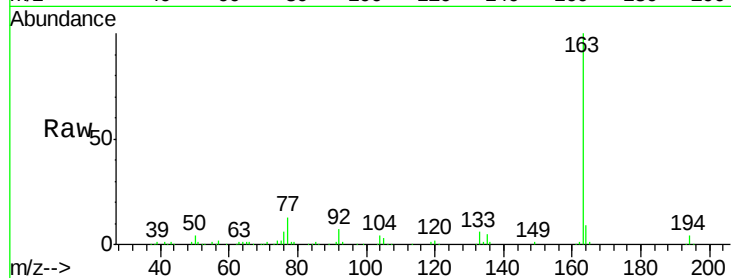
Tgt Ion:163 Resp: 225077

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

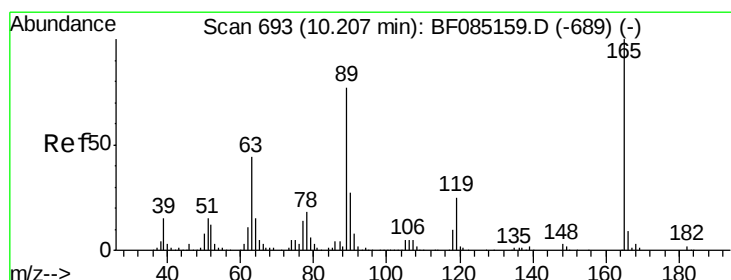
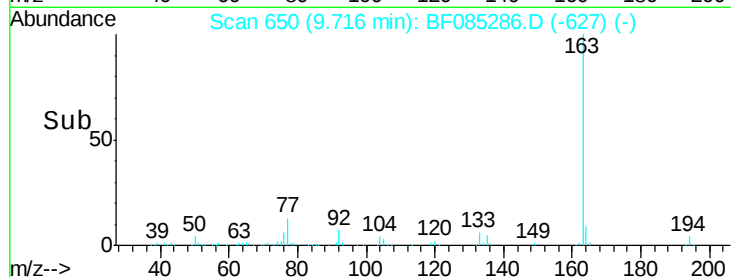
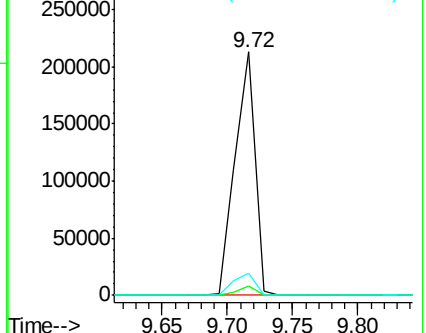
164 9.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Tgt Ion:165 Resp: 33757

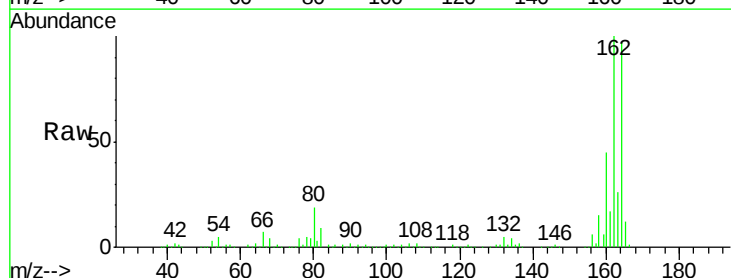
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.6 61.9 92.9#

182 0.0 1.9 2.9#

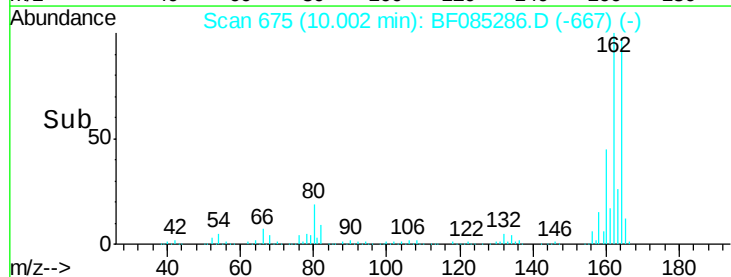
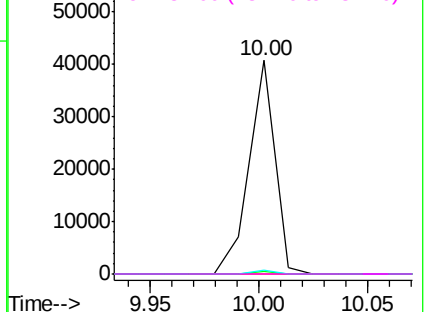


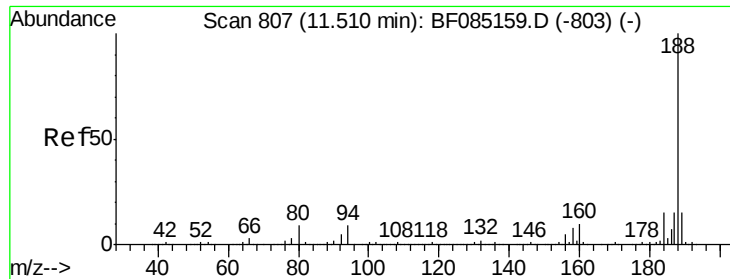
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

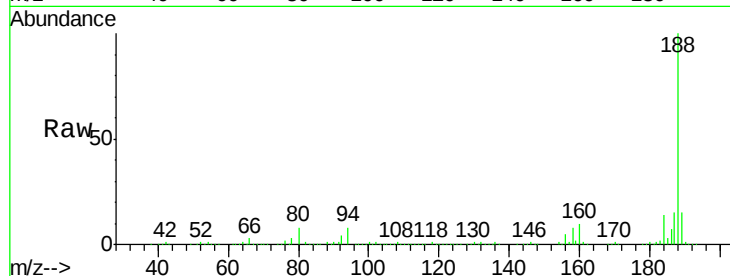




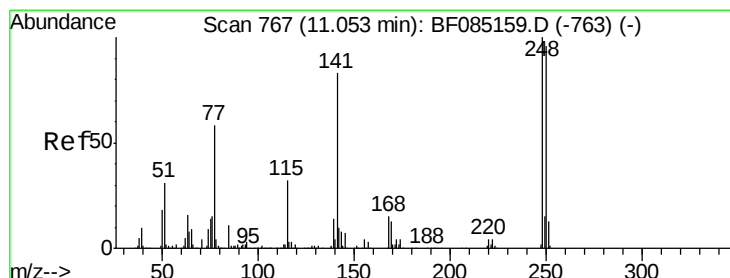
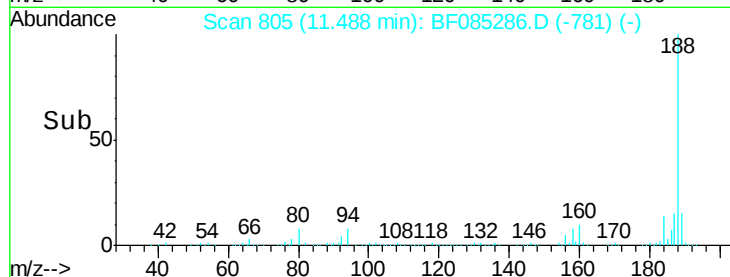
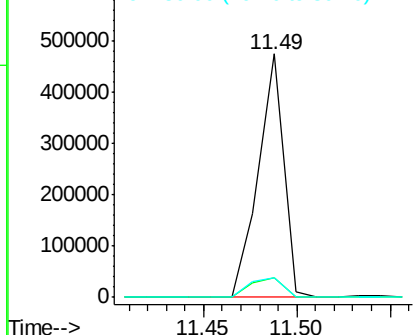
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

Tgt Ion:188 Resp: 447448
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.1 7.4 11.0

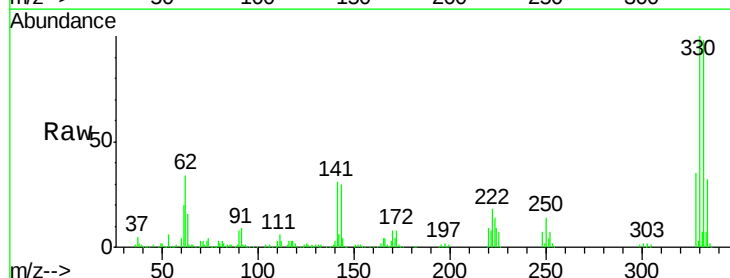


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

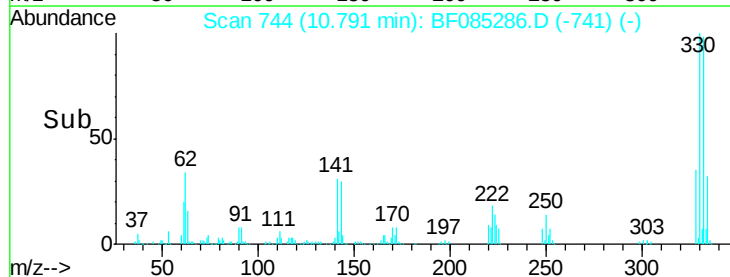
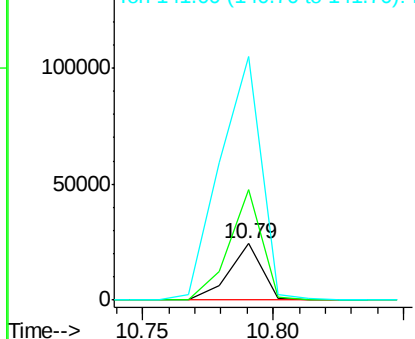


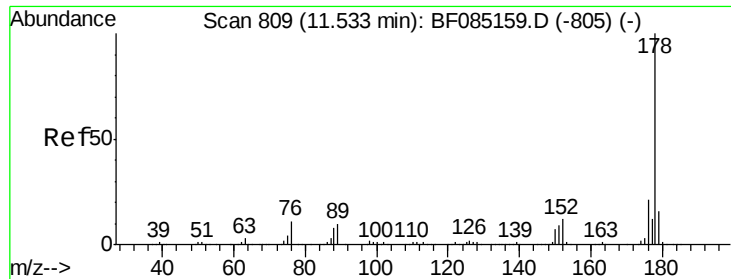
#66
4-Bromophenyl-phenylether
Concen: 4.97 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion:248 Resp: 21598
Ion Ratio Lower Upper
248 100
250 194.7 77.1 115.7#
141 429.5 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

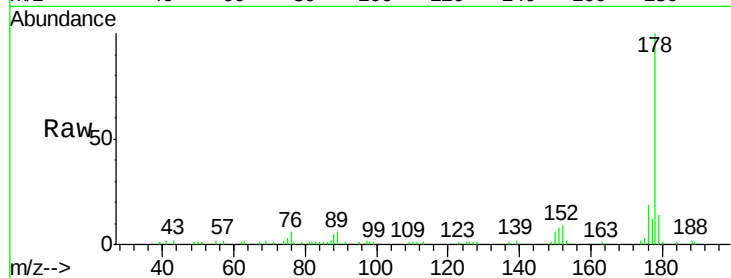




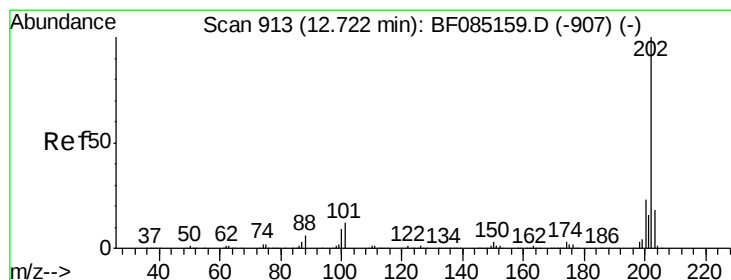
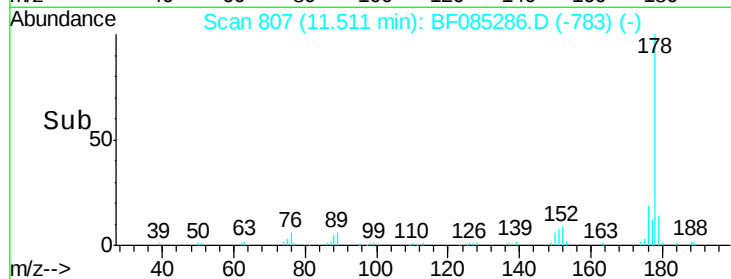
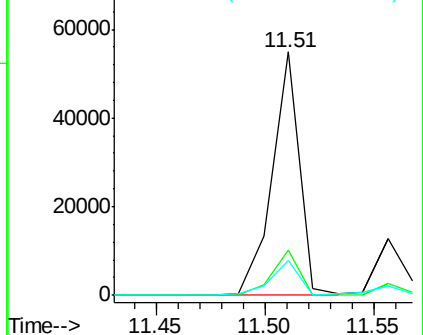
#70
Phenanthrene
Concen: 2.06 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

Tgt Ion:178 Resp: 48300
Ion Ratio Lower Upper
178 100
176 18.8 16.8 25.2
179 14.4 13.1 19.7

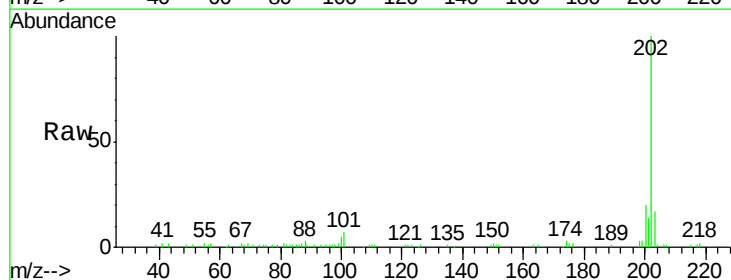


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

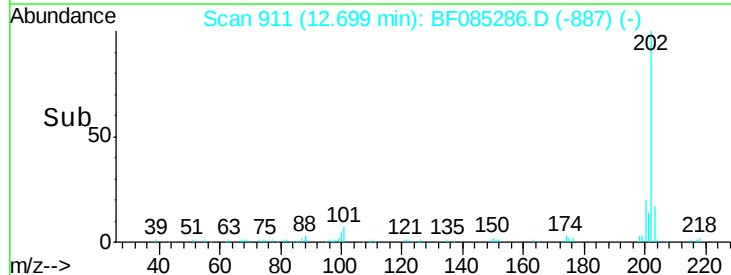
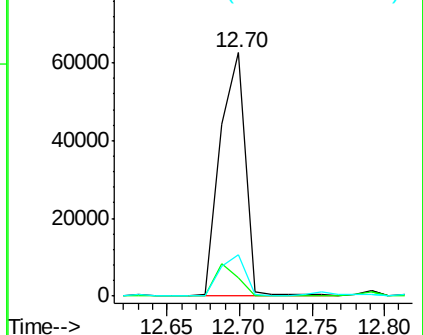


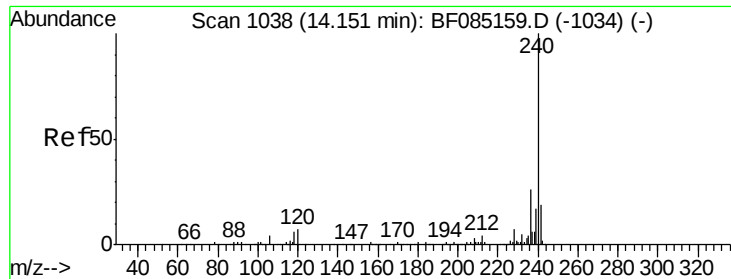
#74
Fluoranthene
Concen: 3.20 ng
RT: 12.70 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion:202 Resp: 75235
Ion Ratio Lower Upper
202 100
101 7.4 0.0 31.8
203 17.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

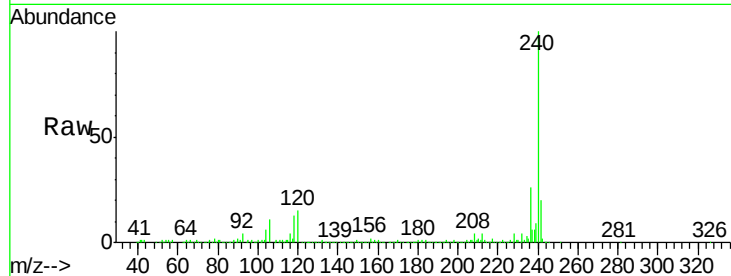
Tgt Ion:240 Resp: 276628

Ion Ratio Lower Upper

240 100

120 15.4 5.3 7.9#

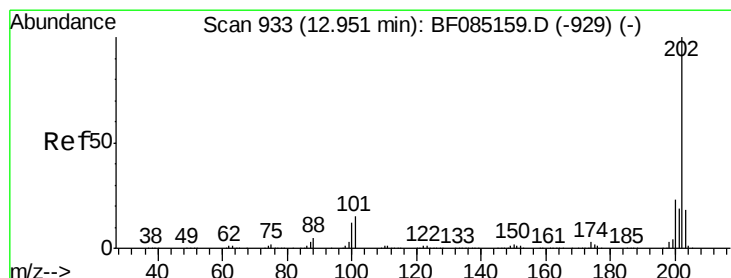
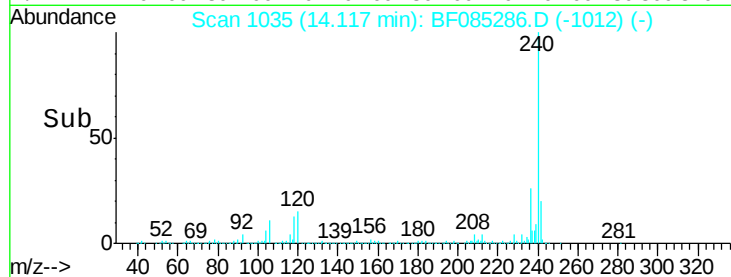
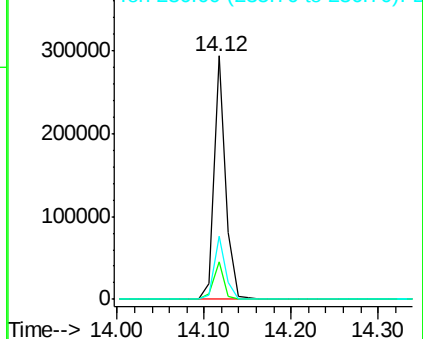
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.19 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

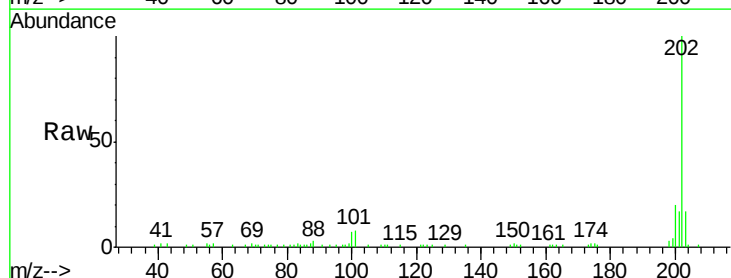
Tgt Ion:202 Resp: 66317

Ion Ratio Lower Upper

202 100

200 20.0 18.2 27.4

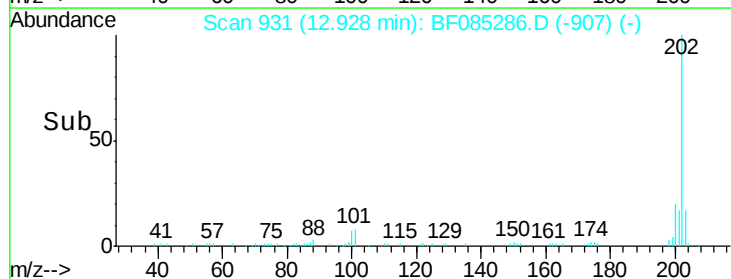
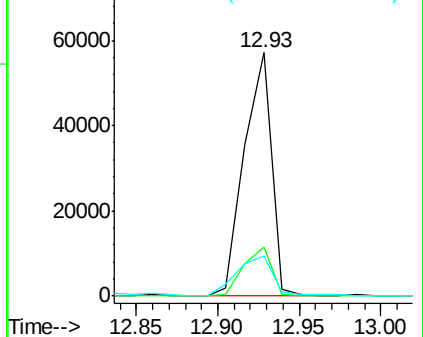
203 16.7 14.7 22.1

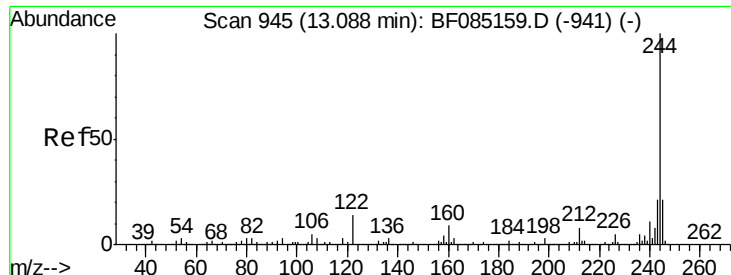


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.20 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

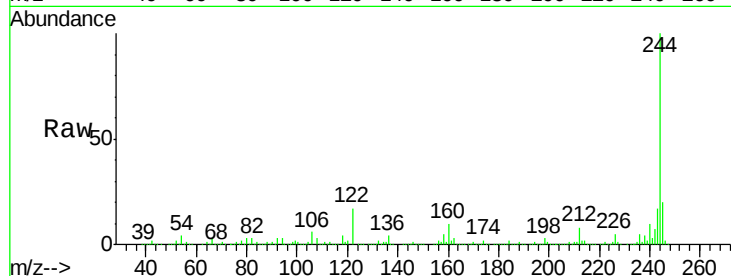
Tgt Ion:244 Resp: 919891

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

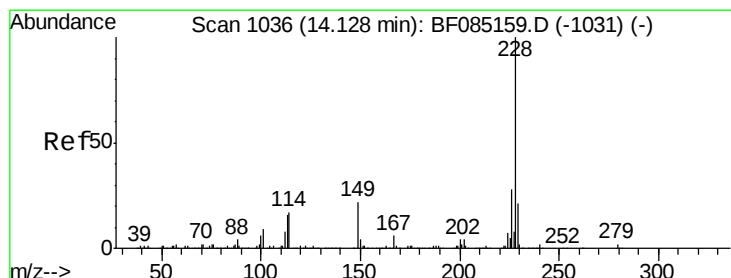
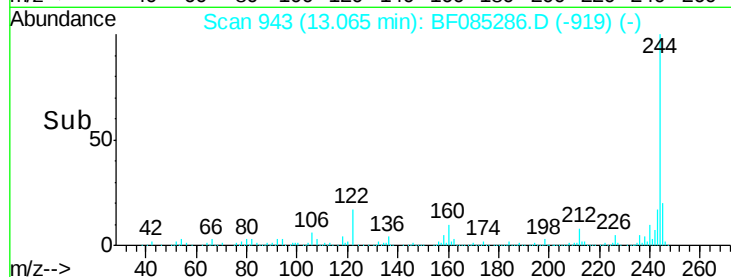
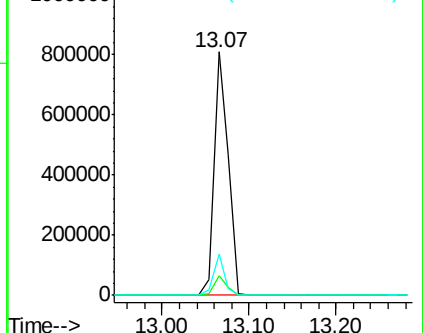
122 17.0 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.18 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

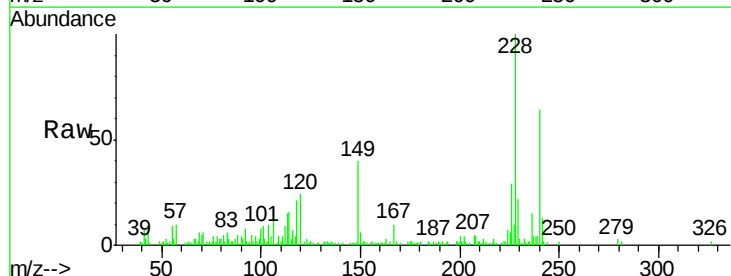
Tgt Ion:228 Resp: 36170

Ion Ratio Lower Upper

228 100

226 28.8 22.8 34.2

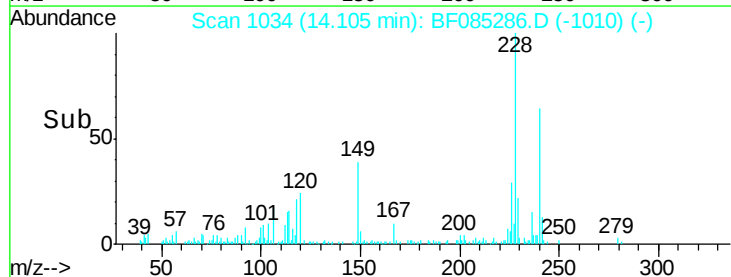
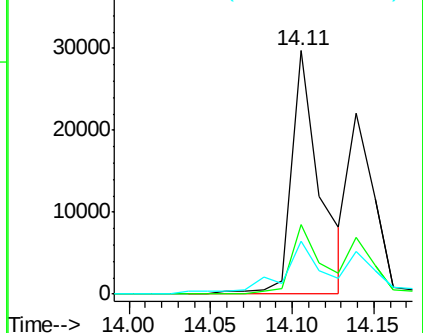
229 21.5 16.6 24.8

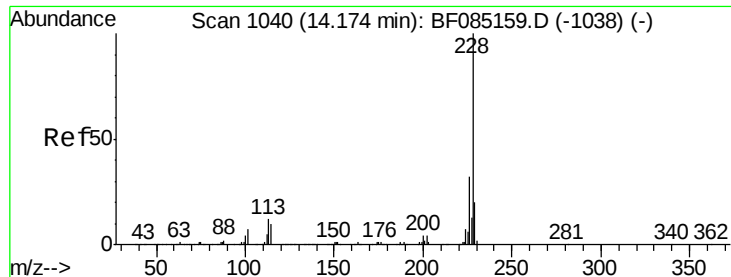


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.36 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)

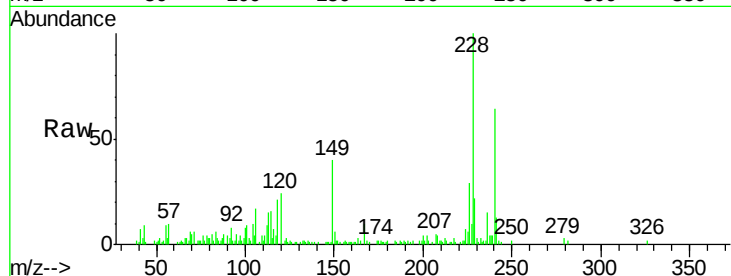
Tgt Ion:228 Resp: 36170

Ion Ratio Lower Upper

228 100

226 28.8 25.2 37.8

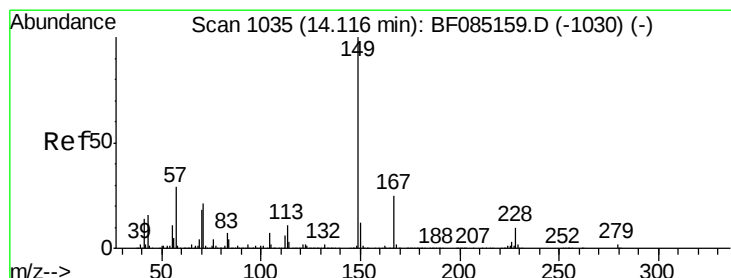
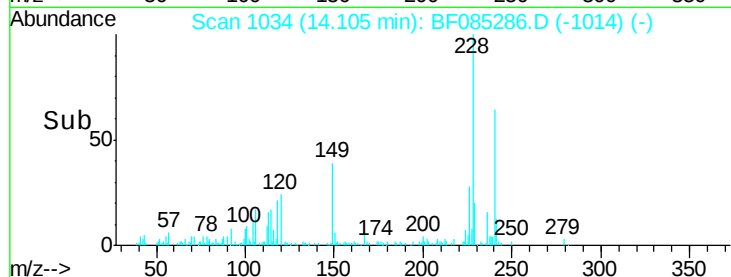
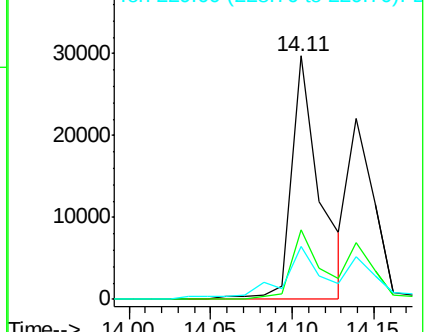
229 21.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

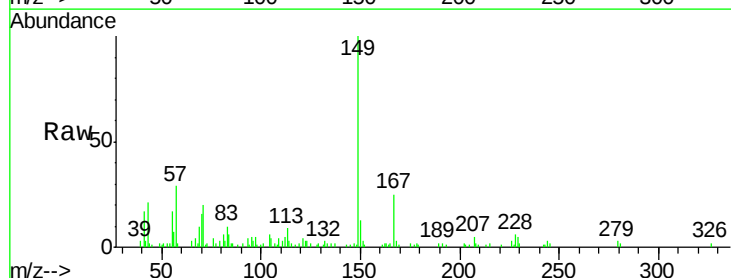
Tgt Ion:149 Resp: 36729

Ion Ratio Lower Upper

149 100

167 25.0 20.3 30.5

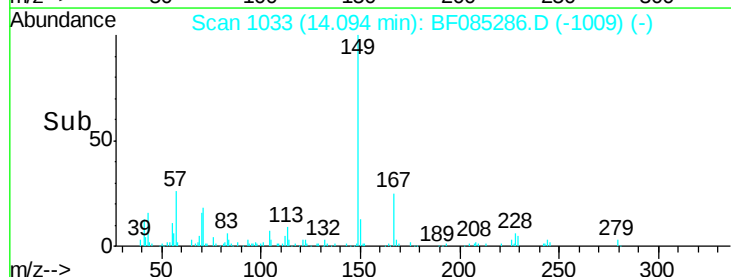
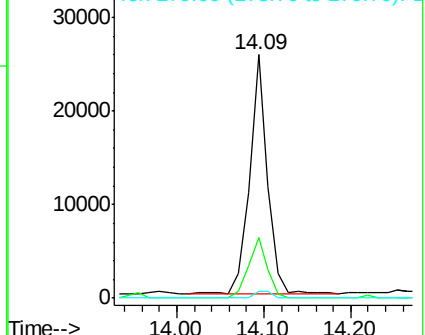
279 2.8 1.9 2.9

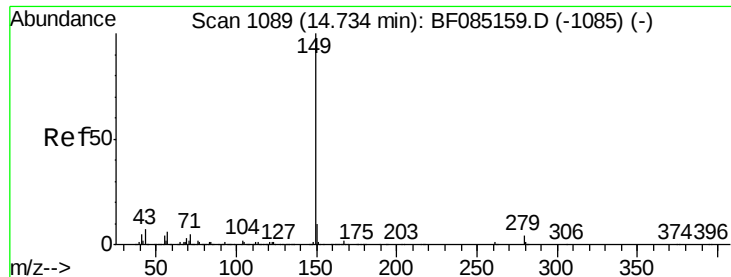


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

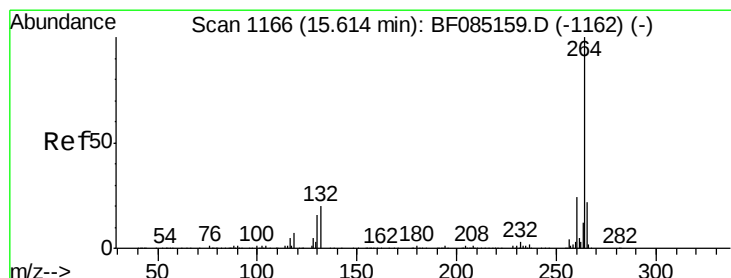
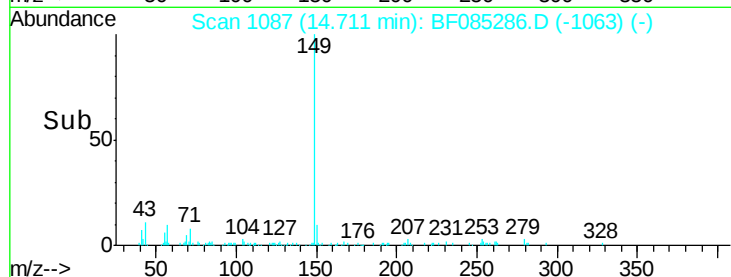
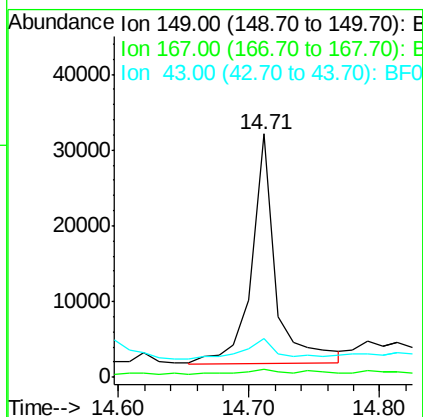
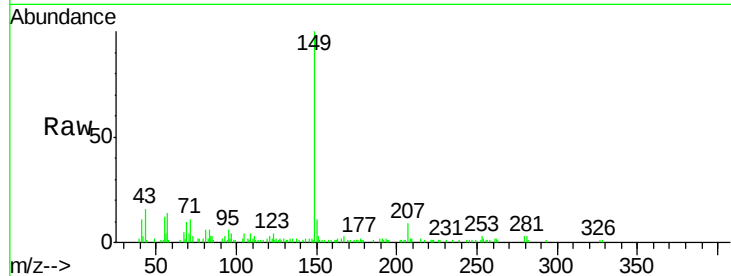




#84
Di-n-octyl phthalate
Concen: 2.08 ng
RT: 14.71 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

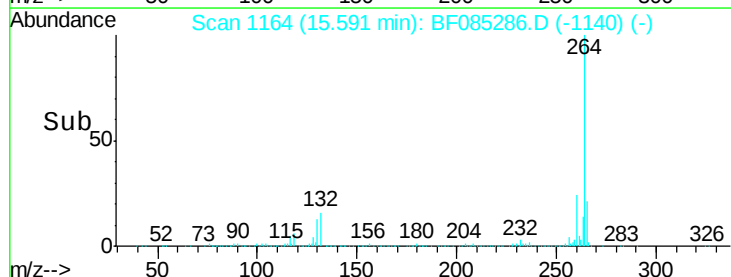
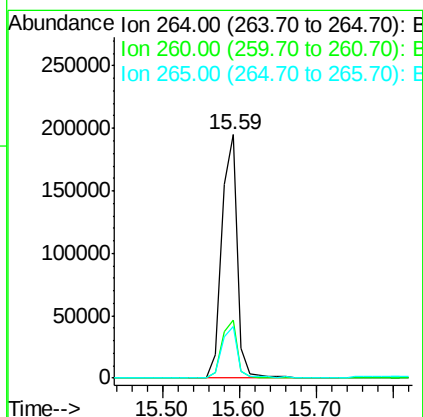
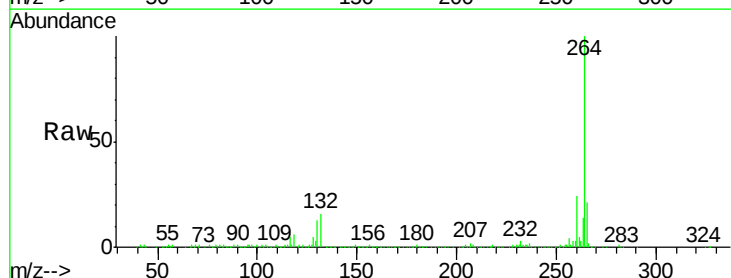
Instrument :
BNA_F
ClientSampleId :
SB-53COMP(0.5-2.75)

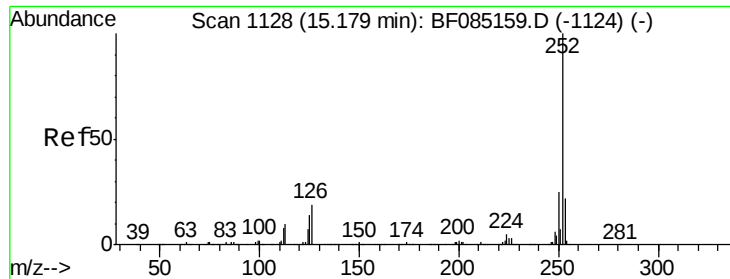
Tgt Ion:149 Resp: 39376
Ion Ratio Lower Upper
149 100
167 4.5 1.1 1.7#
43 14.0 7.8 11.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085286.D
Acq: 9 Mar 2016 5:35

Tgt Ion:264 Resp: 277835
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 20.9 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 2.93 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BF085286.D

Acq: 9 Mar 2016 5:35

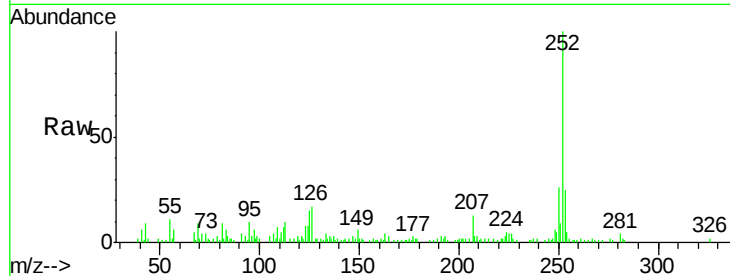
Instrument :

BNA_F

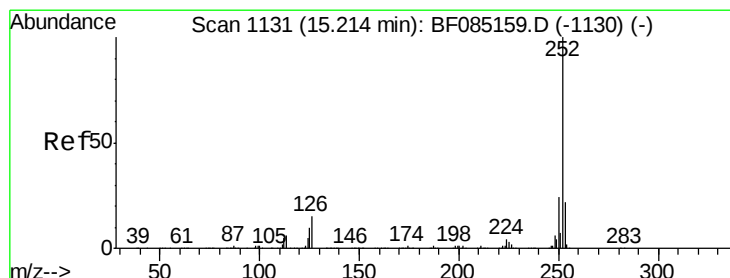
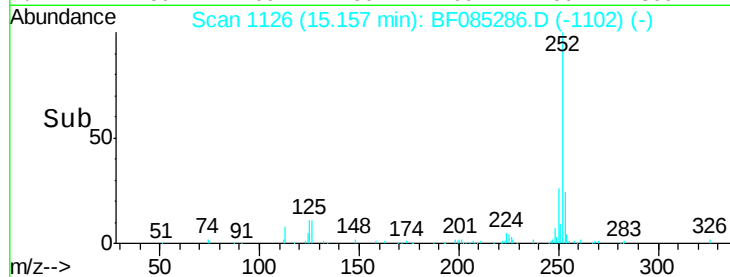
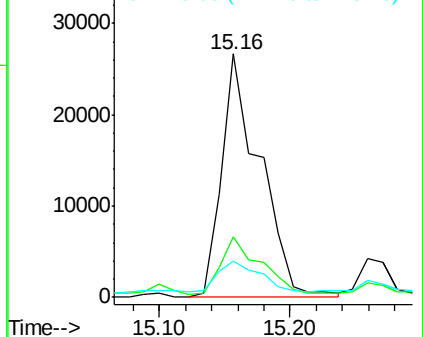
ClientSampleId :

SB-53COMP(0.5-2.75)

Tgt Ion:	252	Resp:	54332
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	14.9	11.3	16.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.64 ng

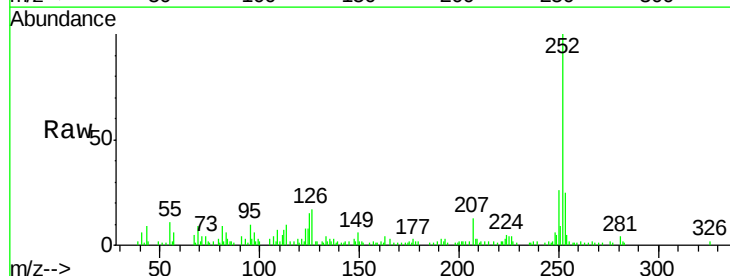
RT: 15.16 min Scan# 1126

Delta R.T. -0.06 min

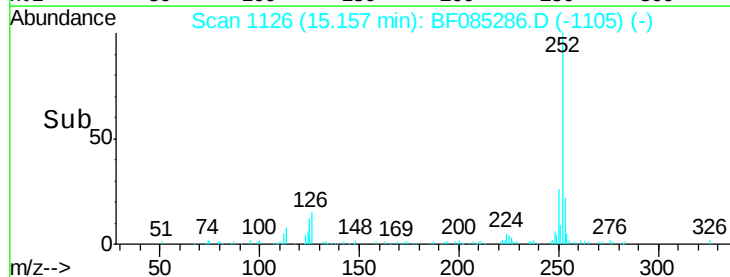
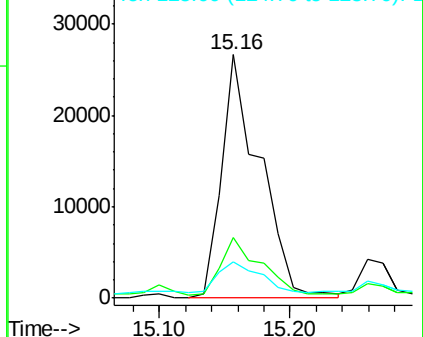
Lab File: BF085286.D

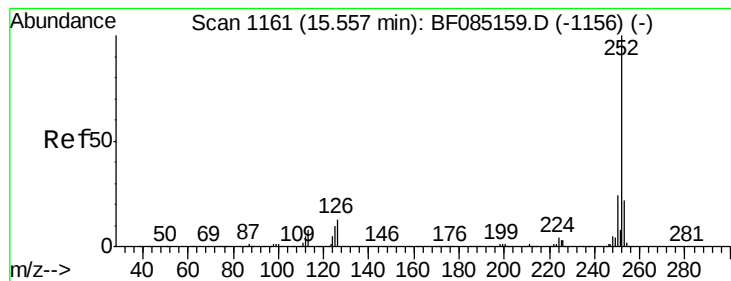
Acq: 9 Mar 2016 5:35

Tgt Ion:	252	Resp:	54332
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	14.9	10.4	15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.52 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF085286.D

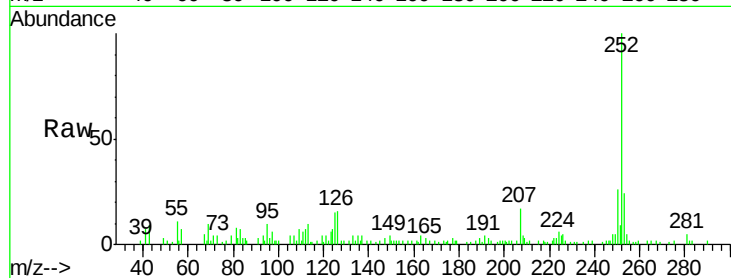
Acq: 9 Mar 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SB-53COMP(0.5-2.75)



Tgt Ion:	252	Resp:	31037
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	14.7	8.2	12.4

